

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/14576

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C12N15/82 A01H11/00 C12P21/02 C12N9/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12P A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/29242 A (MONSANTO CO) 26 April 2001 (2001-04-26) abstract	26-28, 30, 32, 33
Y	page 8 -page 9; examples 3,4	1-25, 29, 31, 34-37
Y	KOPRIVOVA ANNA ET AL: "Functional knockout of the adenosine 5'-phosphosulfate reductase gene in Physcomitrella patens revives an old route of sulfate assimilation." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 35, 30 August 2002 (2002-08-30), pages 32195-32201, XP002245177 August 30, 2002 ISSN: 0021-9258 abstract	1-25, 29, 31, 34-37

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

**\* Special categories of cited documents :**

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

25 May 2004

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24/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Huber, A

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SCHAEFER D G ET AL: "EFFICIENT GENE TARGETING IN THE MOSS PHYSCOMITRELLA PATENS" PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 11, no. 6, June 1997 (1997-06), pages 1195-1206, XP000885764 ISSN: 0960-7412 abstract	1-37
A	WO 01/25456 A (GORR GILBERT ;RESKI RALF (DE); GREENOVATION PFLANZENBIOTECHNO (DE)) 12 April 2001 (2001-04-12) cited in the application page 11 -page 26; claims 1-6	1-37
A	LEROUGE P ET AL: "N-glycoprotein biosynthesis in plants: recent developments and future trends" PLANT MOLECULAR BIOLOGY, NIJHOFF PUBLISHERS, DORDRECHT, NL, vol. 38, 1998, pages 31-48, XP002140796 ISSN: 0167-4412 abstract page 45, last paragraph	1-37

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			EP 1224309 A2	24-07-2002
			WO 0129242 A2	26-04-2001
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